

Amendments to the Specification:

On page 1, before the first full paragraph, please insert the following headings:

BACKGROUND OF THE INVENTION

1. Field of the Invention

On page 1, between the first and second full paragraphs, please insert the following heading:

2. Description of Related Art

On page 3, before the first full paragraph, please insert the following heading:

SUMMARY OF THE INVENTION

On page 3, please replace the second full paragraph with the following rewritten paragraph:

The invention accomplishes this task, ~~according to the characterizing part of claim 1~~, in that the transport vehicle, in each instance, is equipped with sensors for detecting optical, acoustical, temperature, and acceleration data both at its front end, in the direction of travel, and at its opposite end, which

sensors are connected with a control computer disposed in the transport vehicle, whereby the sensors interact with active and passive signal transmitters in the railway network.

On page 4, please replace the first full paragraph with the following rewritten paragraph:

According to ~~claim 7~~ a preferred embodiment, the invention suggests ultrasound sensors, laser scanners, infrared sensors, acceleration sensors, imaging sensors, and microphones as suitable sensors, whereby the ultrasound sensors, the laser scanner, and the infrared and imaging sensors monitor the travel path for collision hazards, while the acceleration sensors are responsible for monitoring machine diagnoses, and the microphones are responsible for acoustically monitoring the surroundings.

On page 4, please replace the third full paragraph with the following rewritten paragraph:

According to ~~claim 2~~ a further embodiment, each process computer is part of a telematics system that monitors and controls the transport system. Such computer systems are already being used in underground mining for machine diagnosis. Retrofitting the transport vehicles with robust control computers that are suitable for use in the industry can therefore be achieved at reasonable expenditure.

On page 6, please replace the second full paragraph with the following rewritten paragraph:

According to ~~claim 10~~ a further embodiment, the vehicles can also be equipped with on-board cameras. In this way, containers (for example water troughs that serve as explosion barriers) in the region of the travel path can be examined by way of the telematics control station, by remote control.

On pages 6-7, please replace the paragraph bridging pages 6 and 7 with the following rewritten paragraph:

Since, according to ~~claim 9~~ a further embodiment, end station and stop station signal transmitters that can be freely positioned are installed in the railway network, the vehicles automatically stop at material reloading stations and destinations; because of the constant dynamics of the railway network in mining operations, these are subject to constant changes.

On page 7, before the paragraph bridging pages 7-8 please insert the following paragraphs:

BRIEF DESCRIPTION OF THE DRAWINGS

Fig. 1 shows a conventional single-track suspended railway with drivers' cabins;

Fig. 2 shows a single-track suspended railway equipped

according to the invention in which the drivers' cabins have been removed and replaced with sensors; and

Fig. 3 is a railway diagram showing an embodiment of the invention.

DETAILED DESCRIPTION OF PREFERRED EMBODIMENTS